



Subject: Adding Ignition and Battery powered circuits for upfitter use – 2023 BrightDrop Zevo cargo vans.

Models Years Affected: 2023 - Current

Models Affected: Chevrolet BrightDrop 400/600m Electric Vans

Origination Date: December 12, 2022

Revision Date: September 11, 2024

ADVISORY:

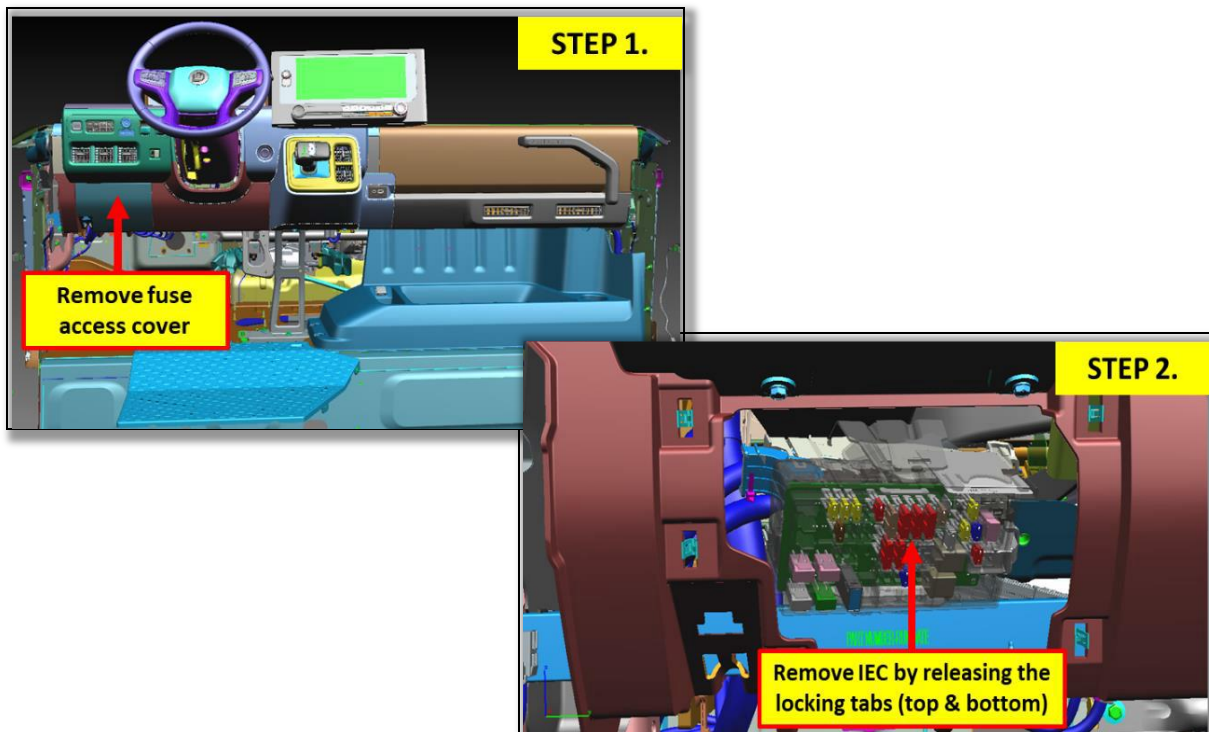
Condition/Concern:

Upfitters wanting to add an Ignition and direct battery power provision circuit with grounding on the BrightDrop electric vans.

Repair/Recommendation:

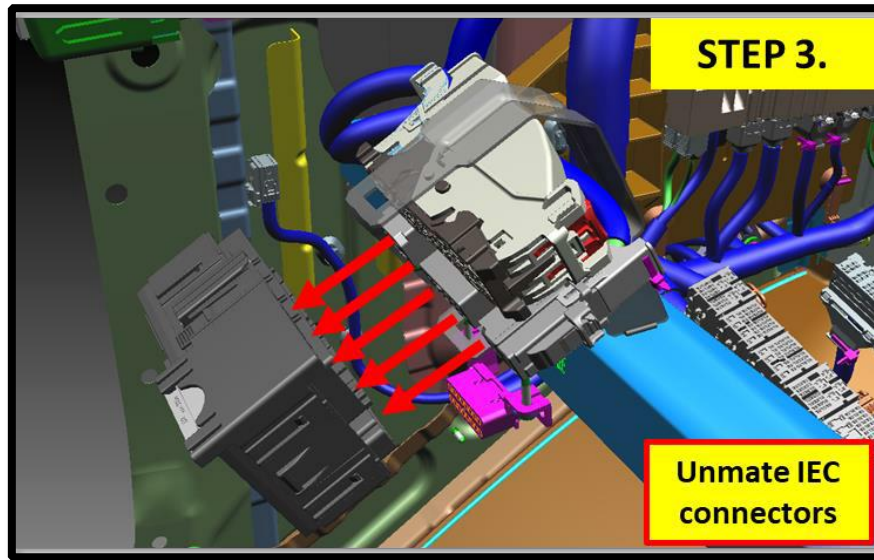
2023MY BrightDrop Electric 600 vans.

NOTE: Prior to performing the adding of the power provision circuit a negative 12v disconnect is required...please refer to [UI Bulletin 190](#) for instructions on the negative cable disconnect.



General Motors Upfitter Integration

<http://www.gmupfitter.com>



BATTERY FEED HOT AT ALL TIMES.

STEP 4.

For cavity you can also use Yazaki terminal P/N 7116-4781-02

IEC - conns behind

Conn GM PN: 13537037 X600X201_X1

TERMINAL NO.	WIRE	WIRE GAUGE	WIRE COLOR
1	25		
2	25		
3	25		
4	25		
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6	25		
7	25		
8	25		
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97	25		
98	25		
99	25		
100	25		

Add wire to cavity 25 use wire gauge 0.5mm2 at least. Max wire gauge 1.0mm2. Use terminal APTIV PN 10846792 for 0.5 wire gauge or 10846793 for 1.0 wire gauge.



2.8 SERIES CONNECTOR

GM & SERVICE PN 13518424

TERMINALS:
7116-4272-02

T/L 19368264
2.5MM2

RAP/ACCESORY BATTERY FEED.

STEP 5.

ITEM NO: 41~X600X203_X1 @ H71
DPN: 35337301
CONNECTOR-INLINE-BEC X203

CAV	WIRE
1	
2	
3	
4	
5	1150H
6	4083
7	1001
8	
9	
10	439
11	
12	
SYMBOL	ALL

GRA LT

Conn GM PN:
13518424
X600X203_X1

Add wire to cavity 3
use wire gauge
1.5mm2 at least.
Use terminal APTIV
PN 10725740 or
10486791 / 13939293

GROUND CONNECTION.

STEP 6.

Add double stacked terminal to the current terminal X86G203_X1 ground position.

Be sure to (re)torque ground fastener(s) to 9 Nm / 80 lb in.

Use this ring terminal position only

Use ring terminal GM PN: 85140741 stacked under current terminal.

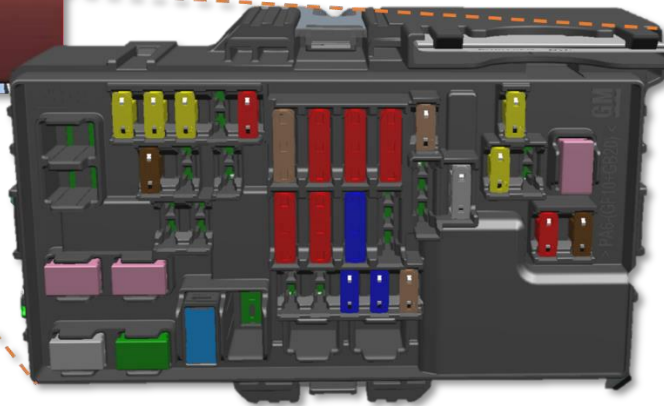
FOV



STEP 7.

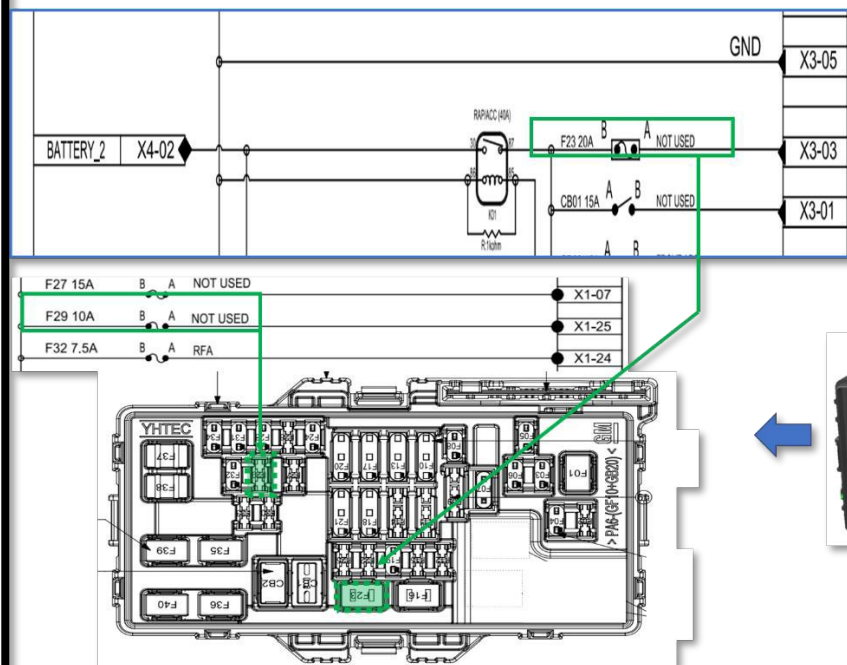


Fuses must be added on the cavities marked in **green**.



STEP 7.

Fuses must be added on the cavities marked in **green**.





Additional Information:

Fuses specs.

F29 ----- Not used → Upfitters 1 → **Micro Fuse** -- 15A (GMPN 84082841 / Littelfuse PN 0327015)

F23 ----- Not Used → Upfitters 2 → **Slow Blown M-Case** -- 20 A (GMPN 84490335 / Littelfuse PN 06995020)

F01 DOOR PANELS SWS (30A)	F15 NOT USED	F29 NOT USED
F02 NOT USED	F16 NOT USED	F30 NOT USED
F03 HVSL (15A)	F17 SDM - PFA/PA (10A)	F31 ELM 2 (20A)
F04 BCM 1 (10A)	F18 MISC 1 & MISC 2 R/C (10A)	F32 RFA (7.5A)
F05 ELM 1 (20A)	F19 MISC 3 RUN/CRANK (15A)	F33 NOT USED
F06 BCM 2 (20A)	F20 ONSTAR / MISC 4 (5A)	F34 ELM 6 (20A)
F07 SWC SWITCHES (2A)	F21 MISC DISPLYS/FCM (10A)	F35 AMPLIFIER (30A)
F08 CGM (5A)	F22 NOT USED	F36 HVAC BLOWER MTR (40A)
F09 NOT USED	F23 NOT USED	F37 NOT USED
F10 DLC/VECM 2 (10A)	F24 VICM (10A)	F38 NOT USED
F11 NOT USED	F25 NOT USED	F39 BCM 4 (30A)
F12 NOT USED	F26 NOT USED	F40 CSM/AUX A/V JACK (15A)
F13 TPIM 1/SPARE (10A)	F27 NOT USED	CB1 NOT USED
F14 NOT USED	F28 BCM 3 (20A)	CB2 FRONT APO (15A)

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